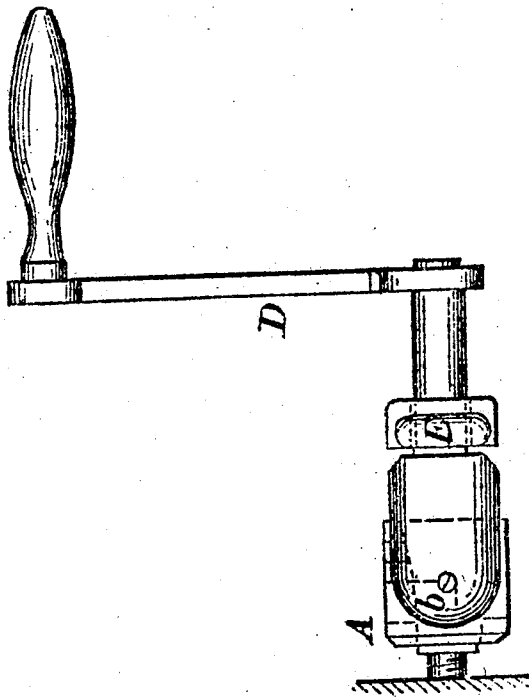


P. D. VAN HOESEN.

WAGON-WRENCH.

No. 30,268.

PATENTED OCT. 2, 1860.



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ONLY DRAWING ACCESSIBLE (1916).

UNITED STATES PATENT OFFICE.

PIERRE D. VAN HOESEN, OF NEW YORK, N. Y.

WAGON-WRENCH.

Specification of Letters Patent No. 30,268, dated October 2, 1860.

To all whom it may concern:

Be it known that I, PIERRE D. VAN HOESEN, of the city, county, and State of New York, have invented a new and Improved Wagon-Wrench; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 represents a side elevation of my invention. Fig. 2, is a front elevation of the same.

Similar letters of reference in both views indicate corresponding parts.

This invention consists in the arrangement of a revolving head with poles of different sizes in its sides in combination with a rotary handle in such a manner that the different sides of the head can be brought to face the nut or screw to be operated upon and that by the different sizes of the holes provision is made for the different sized screw heads or nuts on a wagon; it consists also in combining with the revolving head and the rotary handle an additional stationary handle or supporter for the purpose of keeping the revolving head up against the nut or screw, while the same is run in or out.

To enable those skilled in the art to make and use my invention I will proceed to describe its construction and operation with reference to the drawing.

The head A, is secured between two jaws B, with pivots *a*, which allow of turning said head so that either one of its four sides may be brought in front. The head is made of a cubic form but its form may be varied to suit taste and convenience. Two sides of the head are occupied by the jaws B, and each of the other four sides is provided with one or more holes *b*, of different sizes

to fit the different sized nuts and screws of a wagon or carriage.

The jaws B, are attached to a stem C, which is provided with a handle D, so that it can be rotated in order to turn the screws or nuts in or out. An additional handle E, is slipped loosely on the stem C, and if a nut or screw is to be turned in or out, the operator takes hold of the additional handle or supporter E, with his left hand and forces the head up against the screw or nut and with the right hand he operates the handle D, so as to produce the required rotary motion of the screw or nut in order to turn it in or out, while the left hand with the supporter prevents it from slipping off the nut. The handle E, may be made straight or bent as may be most convenient.

By these means one wrench can be made to serve for all the nuts and screws of a wagon or carriage, and the head A, as well as the other parts of my wrench can be made of cast or malleable iron so that the whole device is cheap and easily put together.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent, is—

1. The arrangement of the revolving head A, provided with holes *b*, of different sizes, in combination with the rotary handle D; constructed and operating substantially as and for the purpose specified.

2. The combination with the revolving head A, and handle D, of an additional stationary handle or supporter E, constructed and operating substantially as and for the purpose set forth.

PIERRE D. VAN HOESEN.

Witnesses:

FRANK L. POPE,
M. M. LIVINGSTON.